



CHEMICAL DOSING SOLUTIONS



Rethinking Water



Compact

- › 2.5m³ storage
- › Single/dual dosing pumps
- › This unit offers a quick solution for small storage system
- › Quick and simple to install with minimum site requirements



IBC

- › 1 - 2m³ storage
- › Single/dual dosing pumps
- › This unit is equipped with an MCC for full automation
- › Two IBCs are installed in a kiosk allowing for easy removal of IBCs



Agile

- › 1m³ storage
- › Single/dual dosing pumps
- › Externally mounted IBC with a kiosk housing pumps and sensors to monitor level and flow



Integral

- › 5 - 60m³ storage
- › This unit incorporates an integral bund, MCC and 2+ dosing pumps
- › Offering minimum civil requirements for a complete installation



Solo

- › 5 - 60m³ storage
- › This unit incorporates a chemical storage tank, MCC and 2+ dosing pumps
- › Must be installed in a civil bund



Complex

- › 5 - 100+m³ storage
- › EPS offer solutions for more complex dosing systems incorporating 10+ pumps
- › Dual storage tanks, and a high level of automation

Service Overview

EPS' offering for chemical dosing goes beyond the design manufacture and installation of products. We adopt a lifecycle approach to our systems, taking each enquiry from concept stage through to completion and into the aftercare phase to ensure that our clients realise best whole-life outcomes. This begins in the development of the concept design, product choice and material selection and is locked in as part of our digital design service. After the system is commissioned, we can offer a range of aftercare packages to suit specific needs and to help maintain equipment availability and efficiency – for example:

- Extended commissioning services to optimise performance and upskill operators
- Planned and proactive maintenance programmes
- Emergency reactive maintenance on a service agreement basis





With over 30 years track record in the delivery of chemical dosing solutions, EPS offers unparalleled experience and expertise to our dosing customers in the water and wastewater sector.

The success of our customer-led approach and our product offering is evidenced by our market reach and our ability to meet efficiency targets and roll over our water company dosing frameworks. EPS present a broad range of standard dosing products to suit almost every application, backed up by the know-how and resources to deliver fully integrated bespoke systems where required.

As operators of over 200 municipal and industrial treatment plants, we design our dosing systems with the safety and convenience of the operator in mind, and also ensure that equipment serviceability is facilitated and robust environmental safeguards are in place.

With the recent opening of the EPS Centre of Excellence for Design & Manufacturing, we have multiplied our output capacity to meet the increasing level of demand in the market and to further enhance the quality and efficiency of our chemical dosing systems.

Please read on and contact one of our expert team to discover more.

Chemical Range Includes:

- › Sodium Hypochlorite
- › Ammonium Sulphate
- › Ferric Sulphate
- › Aluminium Sulphate
- › Ferrous Chloride
- › Poly Aluminium Chloride
- › Hydrochloric Acid
- › Sodium Hydroxide (Caustic)
- › Orthophosphoric Acid
- › Citric Acid



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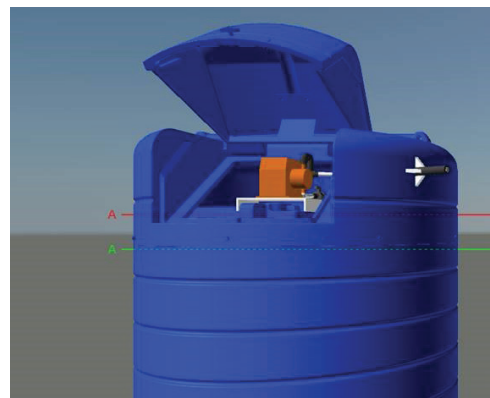


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| CATEGORY | TYPE | FLOW | TANK | HEIGHT | LENGTH | WIDTH |
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COMPACT UNIT

This unit incorporates a 2.5m³ polyethylene storage tank contained completely within a bund. Pumps are housed within the bund cover which can be locked for security. This system can be configured with a single or dual pump arrangement.

A local PLC mounted on the side of the bund allows for diurnal/4-20ma control. The unit is capable of detecting leaks and will totalize chemical dosed. Once delivered and connected to a power source (single phase) and a dosing line the unit is ready to go. Minimum fuss, minimum issues.



IBC

The IBC unit incorporates 2 x IBCs sitting in a prefabricated bund. A sliding cover protects the system from weather with easy access to replace IBCs.

Single/Dual Dosing pumps, the unit is equipped with a form 2 MCC for full automation. This system incorporates all the safety and automatic controls of a complete dosing system. Two IBCs are installed in a kiosk allowing for easy removal of IBCs.



AGILE

This consists of a small kiosk containing single/dual dosing pumps with a hardwired 4-20ma connection for dosing control. Ideal for simple applications, pilot trials, small spaces and temporary dosing requirements.

Storage is a bunded IBC externally mounted which included level control of the bund. Flow/pressure/backpressure controls can be added to suit the client's requirements.



INTEGRAL

An integrally bundled storage tank (5 – 20m³ Storage) mounted on a flat plinth c/w a dosing kiosk containing a bundled pump section with flow/pressure/leak sensors for each dosing pump. Up to 4 pumps can be catered for as standard, each one contained in a discrete section. A local MCC in an additional section of the kiosk includes a PLC/HMI for full interrogation and control.

For larger systems 10m³+ a platform is included to allow the kiosk to drain to the integral bund.



SOLO

5 – 60m³ storage. A civil bund provided by others will contain the storage tank. The dosing kiosk will be positioned over the bund wall to allow all spills to drain to the civil bund. The kiosk will contain a bundled pump section with flow/pressure/leak sensors for each dosing pump.

Up to 4 pumps can be catered for as standard, each one contained in a discrete section. A local MCC in an additional section of the kiosk includes a PLC/HMI for full interrogation and control.



COMPLEX

EPS offer solutions for more complex dosing systems incorporating 10+ pumps, dual storage tanks, and a high level of automation. These bespoke systems are fully designed at our design centre located in Mallow.

Full HAZOP studies are carried out with clients. All software development is carried out in-house which allows for full control of all enhancement and changes as requested by clients. Fabrication of all access platforms/stairs etc is also carried out in-house and adapted for clients particular requirements/specification.





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